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- (81) Designated States (national): AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, US, UZ, VN, YU, ZA.
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Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 3 June 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CARVEDILOL PHOSPHATE SALTS AND/OR SOLVATES THEREOF, CORRESPONDING COMPOSITIONS, AND/OR METHODS OF TREATMENT

(57) Abstract: The present invention relates to carvedilol phosphate salts, which include novel crystalline forms of carvedilol dihydrogen phosphate (i.e., dihydrogen phosphate salt of 1-(carbazol-4-yloxy-3-[[2-(o-methoxyphenoxy) ethyl]amino]-2-propanol) and/or carvedilol hydrogen phosphate, etc.), and/or solvates thereof, compositions containing the aforementioned salts and/or solvates, and methods of using the aforementioned salts and/or solvates to treat hypertension, congestive heart failure and angina, etc.



From the INTERNATIONAL SEARCHING AUTHORITY

To: GRACE C. HSU

PCT

709 SWEDELAND RD., P.O. BOX 1539 KING OF PRUSSIA, PA 19406-0939 THE INTERNATIONAL SEARCH REPO OR THE DECLARATION (PCT Rule 44.1) Date of Mailing (day/month/year) 18 APR 2004	F RT					
P51365 FOR FURTHER ACTION See paragraphs 1 and 4 be	low					
International application No. PCT/US03/20408 International filing date (day/month/year) 27 June 2003 (27.06.2003)	(day/month/year)					
Applicant SB PHARMCO PUERTO RICO INC.						
1. The applicant is hereby notified that the international search report has been established and is transmitted herewith.						
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):						
When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.						
Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35						
For more detailed instructions, see the notes on the accompanying sheet.						
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.						
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:						
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.						
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.						
4. Reminders						
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.						
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.						
In respect of other designated Offices, the time limit of 30 mouths (or later) will apply even if no demand is filed within 19 months.						
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II. National Chapters and the WIPO Internet site.						
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Authorized officer						
Commissioner for Patents P.O. Box 1450 Andrea D Small						
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Telephone No. (703) 308-1234 Corm PCT/[SA/220 (April 2002)						



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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or P51365	agent's file reference	FOR FURTHER ACTION	(Form PC below.	eation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5		
International ap PCT/US03/204	•	International filing date (day/month/year) 27. June 2003 (27.06.2003) (Earliest) Priority Date (day/month/year) 27 June 2002 (27.06.2002)				
Applicant SB PHARMCO PUERTO RICO INC.						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.						
lang	th regard to the language, guage in which it was filed the international search was Authority (Rule 23.1(b)).	, unless otherwise indicated under carried out on the basis of a transl	this item. ation of th	e basis of the international application in the international application furnished to this		
sea c	b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: contained in the international application in written form.					
[]		national application in computer reals.	adable for	n.		
fi	urnished subsequently to th	nis Authority in computer readable	form.			
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
	he statement that the informeen furnished.	nation recorded in computer readab	ole form is	identical to the written sequence listing has		
2 C	Certain claims were found	l unsearchable (See Box I).				
	Unity of invention is lacking (See Box II).					
	he text is approved as subm	• ••				
ا ا	ne text has been established	d by this Authority to read as follow	vs:	-		
5. With regard to the abstract,						
	the text is approved as submitted by the applicant.					
n	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.					
6. The figure of the drawings to be published with the abstract is Figure No.						
a	s suggested by the applicar	ıt.		None of the figures		
Ь	ecause the applicant failed	to suggest a figure.		·		
Ь	ecause this figure better ch	naracterizes the invention.		•		

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20408

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 31/403; A61P 9/12; C07D 209/88, 263/20 US CL : 514/411; 548/444						
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED						
36 1	1 1/1 10 1					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 514/411; 548/444						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched EAST-WEST						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAS ONLINE						
	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.			
X A	WO 01/87837 A1 (A/S GEA FARMACEUTISK FA (22.11.2001), see RN # 374779-45-0, entire referen	14-19, 22-23, 26-27 and 30-31				
			1-13, 20-21 and 24-25			
- Fruit-						
	documents are listed in the continuation of Box C. pecial categories of cited documents:	See patent family annex. "T" later document published after the inter	mational filling date or priority			
"A" document	defining the general state of the art which is not considered to be lar relevance	date and not in conflict with the application principle or theory underlying the investment of the conflict with the application of	ation but cited to understand the			
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the considered to involve an inventive step				
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the	•			
	published prior to the international filing date but later than the ate claimed	er than the "&" document member of the same patent family				
	ctual completion of the international search	Date of mailing of the international sear	Date of mailing of the international search report			
Mai Con P.O Ale:	il Stop PCT, Attn: ISA/US nmissioner for Patents). Box 1450 xandria, Virginia 22313-1450	Authorized officer Andrea D Small Telephone No. (703) 308-1234				
racsume No	o. (703)305-3230					

Form PCT/ISA/210 (second sheet) (July 1998)

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.